Index of Claims

Application/Control No.

10/736,095

Examiner

Tuan V. Ho

Applicant(s)/Patent under Reexamination

IIZUKA, TETSUYA

Art Unit

2622

| <b>√</b> | Rejected |
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| 11       | Allowed  |

(Through numeral) Cancelled

**Non-Elected** N Restricted ŀ Interference

**Appeal** Α 0 Objected

| Cla      | im                         |              |          |  | [            | Date         | •            |              |  |                 |  |  |
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| Final    | Original                   | 27           | ,        |  |              |              |              |              |  |                 |  |  |
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|          | 1<br>2<br>3<br>4           | +            | H        |  | -            |              |              |              | -  | $\neg \neg$     |  |  |
|          | 4                          | 1            |          |  |              |              |              |              |  |                 |  |  |
|          | 5                          | 1            | $\vdash$ |  |              |              |              | _            |  |                 |  |  |
|          | 6                          | Ι,           | Т        | $\vdash$   |              |              |              | _            |  |                 |  |  |
|          | 5<br>6<br>7                | 4            |          |  |              |              |              |              |  |                 |  |  |
|          |                            | <b> </b>     |          |  |              |              | _            |              |  |                 |  |  |
|          | 8<br>9                     | Г            |          |  |              |              |              |              |  |                 |  |  |
|          | 10                         |              |          |  |              |              |              |              |  |                 |  |  |
|          | 11                         |              |          |  |              |              |              |              |  | $\Box$          |  |  |
|          | 12                         |              |          |  |              |              |              |              | L.   |                 |  |  |
| <u></u>  | 13                         | Ш            | <u> </u> |  | Ш            | Щ            | <u> </u>     | L.           | $\sqcup$   | Щ               |  |  |
|          | 11<br>12<br>13<br>14<br>15 | _            | <u> </u> |  |              | <u> </u>     |              | <u> </u>     | $ldsymbol{ldsymbol{ldsymbol{eta}}}$              | Ш               |  |  |
|          | 15                         |              | <u> </u> |  | <u> </u>     |              | ļ            | _            |  | $\vdash \vdash$ |  |  |
| <u></u>  | 16<br>17                   | $\vdash$     | <u> </u> |  |              |              | _            | <u> </u>     | $\vdash$   | Н               |  |  |
| <u> </u> | 18                         | H            | -        |  |              | -            | -            |              | $\vdash$   | Н               |  |  |
|          | 10                         | H            |          | -  |              | $\vdash$     |              |              | $\vdash$   | Н               |  |  |
| <u> </u> | 19<br>20                   | <del> </del> |          |  | _            | -            | <u> </u>     |              | $\vdash$   | $\vdash$        |  |  |
|          | 21                         | <del> </del> |          | $\vdash$   | _            | $\vdash$     | -            |              | $\vdash$   | Н               |  |  |
| $\vdash$ | 22                         |              | $\vdash$ | $\vdash$   |              | -            | _            |              |  |                 |  |  |
|          | 22<br>23                   | Ι.           | $\vdash$ | _  |              |              |              | _            |  |                 |  |  |
|          | 24                         |              |          |  |              |              |              |              |  |                 |  |  |
|          | 24<br>25                   |              |          |  |              |              |              |              |  |                 |  |  |
|          | 26                         |              |          |  |              |              |              |              |  |                 |  |  |
|          | 27<br>28                   |              | <u></u>  |  |              |              |              |              |  |                 |  |  |
| <u></u>  | 28                         |              |          | L_   |              |              | <u> </u>     |              |  | Щ               |  |  |
| <u> </u> | 29                         |              | _        | _  |              | _            |              |              |  |                 |  |  |
|          | 30                         | _            | ļ        | <u> </u>   | _            | _            | <u> </u>     | _            | <u> </u>   |                 |  |  |
|          | 31                         | H            |          | <u> </u>   | H            | H            | -            | -            | <u> </u>   | _               |  |  |
|          | 32<br>33                   | ⊢            |          | ┝  | $\vdash$     | <u> </u>     |              | <del> </del> | _  | -               |  |  |
| -        | 34                         | H            | $\vdash$ | -  | <del> </del> | H            |              | ├-           | <del>                                     </del> | $\vdash$        |  |  |
|          | 35                         | ├            |          | ┝  | $\vdash$     | $\vdash$     | <del> </del> | $\vdash$     | $\vdash$   | Н               |  |  |
| $\vdash$ | 36                         |              | -        | <del>                                     </del> | $\vdash$     | Н            | _            | $\vdash$     | $\vdash$   | $\vdash$        |  |  |
|          | 37                         |              | Г        |  | Г            | Г            | _            | $\vdash$     |  | П               |  |  |
|          | 38                         |              |          |  |              |              |              |              |  |                 |  |  |
|          | 39                         |              |          |  |              |              |              |              |  |                 |  |  |
|          | 40                         |              |          |  |              | 匚            |              |              |  |                 |  |  |
|          | 41                         | <u> </u>     | <u> </u> |  |              | $oxed{oxed}$ |              | L            | $ldsymbol{ldsymbol{ldsymbol{ldsymbol{eta}}}$     | Ш               |  |  |
|          | 42                         | <u> </u>     | <u> </u> | <u> </u>   | _            | <u> </u>     | <u> </u>     | <u> </u>     | $oxed{oxed}$                                     | Ш               |  |  |
| <u></u>  | 43                         | <u> </u>     | <u> </u> | ⊢  | <u> </u>     | <u> </u>     | <u> </u>     |              |  | Ш               |  |  |
| <u></u>  | 44                         | $\vdash$     | $\vdash$ | <u> </u>   | _            | ├            | -            | ├—           | $\vdash$   | Н               |  |  |
|          | 45                         | $\vdash$     |          | -  |              | ┝            | -            | -            | $\vdash$   | H               |  |  |
|          | 46<br>47                   | ┼            | -        | $\vdash$   | $\vdash$     | ├            | ┢            | ├            |  | $\vdash$        |  |  |
| -        | 48                         | <del> </del> | ├        | $\vdash$   | -            | -            | ┢            | ├─           | ├-   | Н               |  |  |
| -        | 49                         | +            |          | -  | $\vdash$     | $\vdash$     | -            | $\vdash$     | $\vdash$   | $\vdash$        |  |  |
| <b> </b> | 50                         | +            | ├        | $\vdash$   | -            | <del> </del> | $\vdash$     | ┢            | $\vdash$   | H               |  |  |

| Cla | im       | Γ            |          |          |              | Date     | <br>∋        |              |                                     |              | [   | Cla   | im       |          |          |          |          | ate      | •        |              |          |          |
|-----|----------|--------------|----------|----------|--------------|----------|--------------|--------------|-------------------------------------|--------------|-----|-------|----------|----------|----------|----------|----------|----------|----------|--------------|----------|----------|
|     |          | 1            |          |          |              |          |              |              |                                     |              |     |       |          |          | į        |          |          |          |          |              |          |          |
|     | Original | 27           | ,        |          |              | l        |              |              |                                     |              |     | Final | Original |          |          |          |          |          |          |              | -        | ŀ        |
| Ē   | Ę        | مر           |          |          |              | İ        |              |              |                                     |              |     | 证     | Oric     |          |          |          |          |          |          |              |          |          |
|     |          | 07           |          |          |              |          |              |              |                                     |              |     |       |          |          |          |          |          |          |          |              |          | _        |
|     | 1_       | L            | _        |          |              | <u> </u> |              |              |                                     |              |     |       | 51<br>52 |          | _        |          |          |          |          |              | _        |          |
|     | 2        |              |          |          |              | _        |              |              |                                     |              |     |       | 52       |          |          |          |          |          |          |              | _        | _        |
|     | 3        | \$           |          |          |              | <u> </u> | L            |              | _                                   |              |     |       | 53       |          |          |          |          |          |          |              |          | _        |
|     | 4        | 1            | <u> </u> |          |              | _        |              |              | _                                   | _            |     |       | 54<br>55 |          |          |          |          | _        |          | $\Box$       | $\dashv$ | _        |
|     | 5        | +            |          | _        |              |          |              |              |                                     |              |     |       | 55       |          |          |          |          |          |          |              | _        | -        |
| _   | 6        | ļ.,          | _        | <u> </u> |              |          | <u> </u>     | _            | ļ                                   |              |     |       | 56       | _        | _        | _        |          |          | -        |              | -        |          |
|     | 7        | 4            |          | <u> </u> |              | <u> </u> | _            | _            | _                                   |              |     |       | 57       | $\vdash$ | _        |          |          | _        | _        | _            | _        | -        |
|     | 8        | $\vdash$     | _        | <u> </u> |              |          | <u> </u>     |              | _                                   |              |     |       | 58       | _        | _        |          |          |          |          |              | -        |          |
| _   | 9        | L            |          | <u> </u> | -            | <u> </u> | <u> </u>     |              |                                     |              |     |       | 59       |          | _        | $\dashv$ |          |          |          |              | -        |          |
|     | 10       | _            |          |          |              | <u> </u> | -            |              |                                     |              |     |       | 60       |          |          | -        |          |          |          | _            |          | $\dashv$ |
| _   | 11       | _            |          | _        | <u> </u>     | <u> </u> | -            | <u> </u>     |                                     | _            |     |       | 61       | _        |          | _        |          |          |          | _            | $\dashv$ |          |
| _   | 12       | _            |          | ╙        | <u> </u>     |          | <u> </u>     | <u> </u>     | <u> </u>                            | _            |     |       | 62<br>63 |          |          | _        |          |          |          | -            |          | $\dashv$ |
| _   | 13       | <u> </u>     |          | <u> </u> | <u> </u>     | <u> </u> | -            | <u> </u>     | $\vdash$                            | _            |     |       | 64       |          |          |          |          |          |          |              | $\dashv$ | -        |
|     | 14       | _            | _        | H        | ⊢            | ┝        |              | _            | $\vdash$                            | _            |     |       | 65_      | _        | _        |          |          |          |          |              | $\vdash$ |          |
|     | 15       | -            | _        | H        | $\vdash$     |          |              | _            | $\vdash$                            | -            |     |       | 66       | _        |          |          | _        |          | -        | =            | =        | -        |
|     | 16<br>17 |              | -        |          | ┝            | -        | <del>-</del> | <del> </del> | $\vdash$                            | $\vdash$     |     |       | 67       | $\vdash$ |          | -        |          |          | -        | -            |          | $\dashv$ |
| _   |          | H            | _        | ⊢        | ⊢            | ┝        | -            |              | $\vdash$                            | $\vdash$     |     |       | 68       | -        | _        | _        |          |          | $\vdash$ | Н            |          | _        |
|     | 18<br>19 | H            |          | -        | ┢            | ⊢        |              |              | H                                   | -            |     |       | 69       | _        |          |          |          |          | _        |              | $\vdash$ | $\dashv$ |
| _   | 20       | -            |          | -        | ┝╌           | -        | ├            | _            | ⊢                                   | -            |     |       | 70       |          |          | -        | _        |          |          | Н            |          | -        |
|     | 21       | <u> </u>     |          | _        | ┢            | -        | ├─           |              | $\vdash$                            | _            |     |       | 71       |          |          | $\vdash$ |          | -        |          |              | $\vdash$ | $\dashv$ |
| -   | 21<br>22 | H            | _        | _        | -            | ├-       | ├─           | _            | H                                   |              |     |       | 72       |          | -        |          | _        |          |          | H            |          | _        |
| _   | 23       | -            |          |          |              | -        | -            |              | -                                   | -            |     |       | 73       | $\vdash$ | _        | -        |          | -        |          | Н            | $\neg$   | _        |
|     | 24       | H            | _        | -        | $\vdash$     | $\vdash$ | ├            | _            | -                                   |              |     |       | 74       |          | _        |          |          | -        |          | Н            |          | =        |
|     | 25       | H            |          | ┝        |              | $\vdash$ | $\vdash$     |              |                                     | -            |     |       | 75       | _        | _        |          | _        | _        | _        |              |          |          |
| _   | 26       | $\vdash$     |          | -        |              | <u> </u> | $\vdash$     |              |                                     |              |     |       | 76       |          | -        |          |          |          |          |              | $\neg$   |          |
| _   | 27       |              |          | -        | $\vdash$     | 一        | ┢            |              |                                     |              |     |       | 77       | _        |          |          |          |          | _        |              |          | $\neg$   |
|     | 28       | -            | _        | $\vdash$ | $\vdash$     |          |              |              |                                     | _            |     |       | 78       |          |          |          | _        |          |          |              |          |          |
| _   | 29       | H            |          |          |              |          | _            | _            | Г                                   |              |     |       | 79       |          | _        |          |          |          |          |              |          |          |
| _   | 30       |              | -        | <u> </u> |              |          |              |              |                                     |              |     |       | 80       |          |          |          |          |          | _        |              |          |          |
|     | 31       | $\vdash$     | -        | $\vdash$ | $\vdash$     |          |              |              |                                     |              |     | _     | 81       |          |          |          | _        |          |          |              |          |          |
|     | 32       |              |          |          |              | $\vdash$ | _            |              |                                     |              |     |       | 82       |          |          |          |          |          |          | _            |          |          |
|     | 33       | П            |          |          |              |          |              |              |                                     |              |     |       | 83       |          |          |          |          |          |          |              |          |          |
|     | 34       |              | Г        | Г        |              |          |              |              |                                     |              |     |       | 84       |          |          |          |          |          |          |              |          |          |
|     | 35       |              |          |          |              | Γ        |              |              |                                     |              |     |       | 85_      |          |          |          |          |          |          |              |          |          |
|     | 36       |              |          |          |              |          |              |              |                                     |              |     |       | 86       |          |          |          |          |          |          |              |          |          |
|     | 37       |              |          |          |              |          |              |              |                                     |              |     |       | 87       |          |          |          |          |          |          |              |          |          |
|     | 38       |              |          |          |              |          |              |              |                                     |              |     |       | 88       |          |          |          |          |          | L        |              |          |          |
|     | 39       |              | L        |          |              |          |              |              |                                     |              |     |       | 89       | L        |          |          |          |          |          |              |          |          |
|     | 40       |              |          |          |              |          |              | L            |                                     |              |     |       | 90       |          |          |          |          |          |          |              |          |          |
|     | 41       |              | <u> </u> |          |              |          | L            | L            |                                     | <u></u>      |     |       | 91       | _        |          |          |          |          |          |              | _        |          |
|     | 42       | <u> </u>     | <u> </u> | <u> </u> | _            | <u> </u> | _            | _            |                                     | $oxed{oxed}$ |     |       | 92       |          | _        |          |          |          | <u> </u> |              |          |          |
|     | 43       | _            | <u> </u> | <u> </u> | <u> </u>     | <u> </u> | _            |              | L_                                  | <u> </u>     |     |       | 93       | <u> </u> | <u> </u> | $\vdash$ |          | <u> </u> | <u> </u> | <u> </u>     | Щ        |          |
|     | 44       | _            | <u> </u> | <u> </u> | _            |          | <u> </u>     | <u> </u>     | $\vdash$                            |              |     |       | 94       | igspace  | <u> </u> | L.       | _        | <u> </u> | _        | $oxed{oxed}$ |          |          |
|     | 45       | <u> </u>     | <u> </u> | <u> </u> |              | <u> </u> | <u> </u>     | <u> </u>     | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | <u> </u>     |     |       | 95       | <u> </u> | <u> </u> |          |          | <u> </u> | <u> </u> | ļ            |          |          |
| _   | 46       | <u> </u>     | L        | <u> </u> | ldash        | 1        | <u> </u>     | ļ            | ├-                                  | <u> </u>     |     |       | 96       | <u> </u> | L        | <u> </u> | <u> </u> | <u> </u> |          | -            | _        |          |
|     | 47       | <u> </u>     | <u> </u> | <u> </u> | <u> </u>     | <b> </b> |              | <u> </u>     | <u> </u>                            | <u> </u>     |     |       | 97       | <b> </b> | _        | <u> </u> | <u> </u> | <u> </u> | <u> </u> |              |          |          |
|     | 48       | <u> </u>     | <u> </u> | ļ        | <b>—</b>     | ₩        |              | $\vdash$     | <u> </u>                            | <u> </u>     |     |       | 98       | <u> </u> | <u> </u> | <u> </u> | <u> </u> | _        | ļ        | <u> </u>     | <u> </u> |          |
|     | 49       | <del> </del> | <u> </u> | 1—       | <del> </del> |          | ₩            | ├-           | <del> </del>                        | _            |     |       | 99       | H-       | <b> </b> | <u> </u> | -        | <u> </u> | <u> </u> |              | -        | _        |
|     | 50       | L            |          | L        | <u> </u>     | L        | <u> </u>     | <u> </u>     |                                     | l            | J I |       | 100      | L        | L        | L        |          | L        | L_       |              | Щ        |          |

| Cla            | aim   | Date         |  |  |  |  |  |          |              |          |  |
|----------------|---|--------------|--|--|--|--|--|----------|--------------|----------|--|
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| a              | Original  |              |  |  |  |  |  |          |              |          |  |
| Final          | rigi  |              |  |  |  |  |  |          |              |          |  |
| _              | Ö   |              |  |  |  |  |  |          |              |          |  |
|                | 101   |              |  |  |  | Н  |  | -        | -            | $\vdash$ |  |
|                | 101<br>102<br>103<br>104<br>105<br>106  |              |  | -  | _  | -  |  | _        | $\vdash$     | Н        |  |
|                | 102   | $\vdash$     |  | ┝  |  | Н  |  |          |              | $\vdash$ |  |
|                | 103   |              |  |  |  |  |  |          | <u> </u>     | -        |  |
|                | 104   | _            | _  | <u> </u>   | _  |  |  |          | <u> </u>     | Н        |  |
|                | 105   | _            | _  | ⊢  |  | _  |  | _        | <u> </u>     | Н        |  |
|                | 106   |              |  | L  |  | L.   |  | _        | _            |          |  |
|                | 107   |              |  | _  | _  | Щ  |  |          | <u> </u>     |          |  |
|                | 108<br>109<br>110   |              |  | L  | _  |  |  |          | _            |          |  |
|                | 109   |              |  |  |  |  |  |          | L            |          |  |
|                | 110   |              |  |  | L  |  |  |          |              | Ш        |  |
|                | 111   |              |  |  |  |  |  |          |              |          |  |
|                | 112   |              |  |  |  |  |  |          |              |          |  |
|                | 113   |              |  |  |  |  |  |          |              |          |  |
|                | 114   |              |  |  | Г  |  |  |          |              |          |  |
|                | 111<br>112<br>113<br>114<br>115   |              | Г  | Г  | Г  |  |  |          |              | П        |  |
|                | 116<br>117<br>118<br>119<br>120<br>121<br>122<br>123<br>124<br>125<br>126<br>127<br>128<br>129<br>130 |              | П  | $\vdash$   | $\vdash$   |  | _  |          |              | М        |  |
|                | 117   |              |  | $\vdash$   | $\vdash$   | _  |  |          |              | Н        |  |
|                | 118   | _            |  |  | $\vdash$   | _  | _  |          |              | Н        |  |
|                | 110   | _            | -  | -  | $\vdash$   | -  |  | -        |              | Н        |  |
|                | 120   |              | $\vdash$   | ├─   | -  | $\vdash$   | _  | $\vdash$ | -            | -        |  |
|                | 120   |              | H  | ⊢  | <del> </del>                                     | -  | -  | ⊢        | ┝            | Н        |  |
|                | 121   |              | <u> </u>   | ⊢  | ⊢  | -  |  | <u> </u> |              | -        |  |
|                | 122   | _            | <u> </u>   | <u> </u>   | <u> </u>   | <u> </u>   |  | _        | _            | Н        |  |
|                | 123   |              | _  | ļ  | <u> </u>   |  | _  |          | <u> </u>     | _        |  |
|                | 124   |              | _  | <u> </u>   | <u> </u>   |  |  | _        | <u> </u>     | Щ        |  |
|                | 125   | _            | L_   |  | <u> </u>   | <u> </u>   | <u> </u>   |          | <u> </u>     | Ш        |  |
|                | 126   |              | _  | ļ  |  | L.   | _  | <u> </u> | <u> </u>     |          |  |
|                | 127   |              |  |  |  |  |  | _        | _            |          |  |
|                | 128   |              | L  |  |  |  | L_   | <u> </u> |              |          |  |
|                | 129   |              |  |  |  |  | _  |          |              |          |  |
|                | 130   |              |  |  |  |  |  |          | L.,          |          |  |
|                | 131   |              | l"   |  |  |  |  |          |              |          |  |
|                | 132<br>133  |              |  |  |  | Г  |  |          |              |          |  |
|                | 133   |              | Г  |  |  |  |  |          |              |          |  |
|                | 1134  | Г            |  | П  | T  |  | T .  | Г        |              | П        |  |
|                | 135   |              |  | <del>                                     </del> | Г  | _  |  |          | Г            | $\Box$   |  |
| H-             | 135<br>136<br>137   | _            |  | $\vdash$   |  | $\vdash$   | $\vdash$   | <u> </u> | T            | М        |  |
| <del></del>    | 137   | Η-           | <del>                                     </del> | $\vdash$   | Н  | <del>                                     </del> | $\vdash$   | -        | T            | $\vdash$ |  |
| <del> </del> - | 138   | $\vdash$     | $\vdash$   |  | <del>                                     </del> | $\vdash$   | <del>                                     </del> | -        | <del> </del> | $\vdash$ |  |
| <del></del>    | 138<br>139  | $\vdash$     | $\vdash$   | $\vdash$   | <del>                                     </del> | $\vdash$   | -  | -        | Η-           | $\vdash$ |  |
| <del></del>    | 140   | ├-           | <del> </del>                                     | <del> </del>                                     | $\vdash$   | ├  | -  | -        | $\vdash$     | $\vdash$ |  |
| <del> </del>   | 4 4 4   | $\vdash$     | $\vdash$   | $\vdash$   | <del>                                     </del> | $\vdash$   | $\vdash$   | -        | -            | $\vdash$ |  |
| -              | 141   | _            | ⊢  | ├  | $\vdash$   | $\vdash$   | ┝  | -        | $\vdash$     | -        |  |
| ├─             | 142   | _            | -  | -  | <del> </del>                                     | $\vdash$   | -  |          |              | -        |  |
|                | 143   | <del> </del> |  | -  | <u> </u>   | <del> </del>                                     |  | <u> </u> | <b>⊢</b>     | $\vdash$ |  |
| L              | 144   | _            |  | _  | <b> </b>   | <u> </u>   | _  | <u> </u> | <u> </u>     |          |  |
| L              | 145   | <u> </u>     |  | L  | <u> </u>   |  |  | _        | <u> _</u>    | _        |  |
|                | 146   |              | _  | _  | _  | _  | <u> </u>   |          | <u> </u>     | <u> </u> |  |
|                | 147   |              | L  | $oxed{oxed}$                                     | L  | L  |  |          | lacksquare   | L        |  |
|                | 148   | L            |  | $\Box$   |  |  |  |          |              | L        |  |
|                | 149   |              |  |  |  |  |  |          |              | Γ        |  |
|                | 150   |              | Γ  |  |  | Π  |  |          |              |          |  |
|                |   |              | _  | _  |  | ٠  |  |          |              |          |  |